

68. The most incredible version of the Apollo missions: were women playing the role of astronauts on the moon?

9-12 minutes

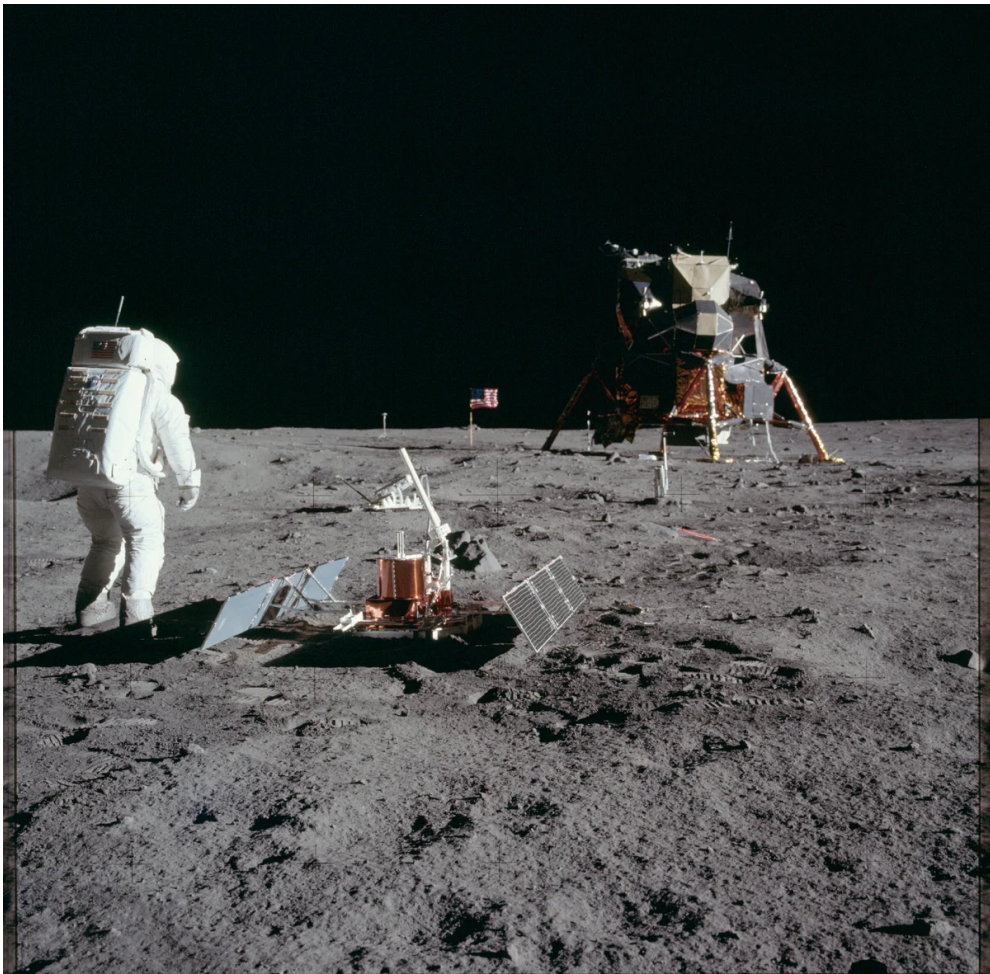
On this day, 52 years ago, July 20, 1969, the premiere of the film-series "Americans on the Moon" took place. The credits listed the main characters in the film, but who played these roles was not specified. On the one hand, the names of the lunar rogues-of-the pioneers are heard by many, but on the other hand, we do not see the faces of astronauts in any "lunar" photographs. And who is hiding behind a mirror helmet, we do not know.



Who is hiding behind the helmet is unknown (Apollo 17).

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In most cases, astronauts have their backs or sideways facing the photographer.



A snapshot from the series "Apollo 11".

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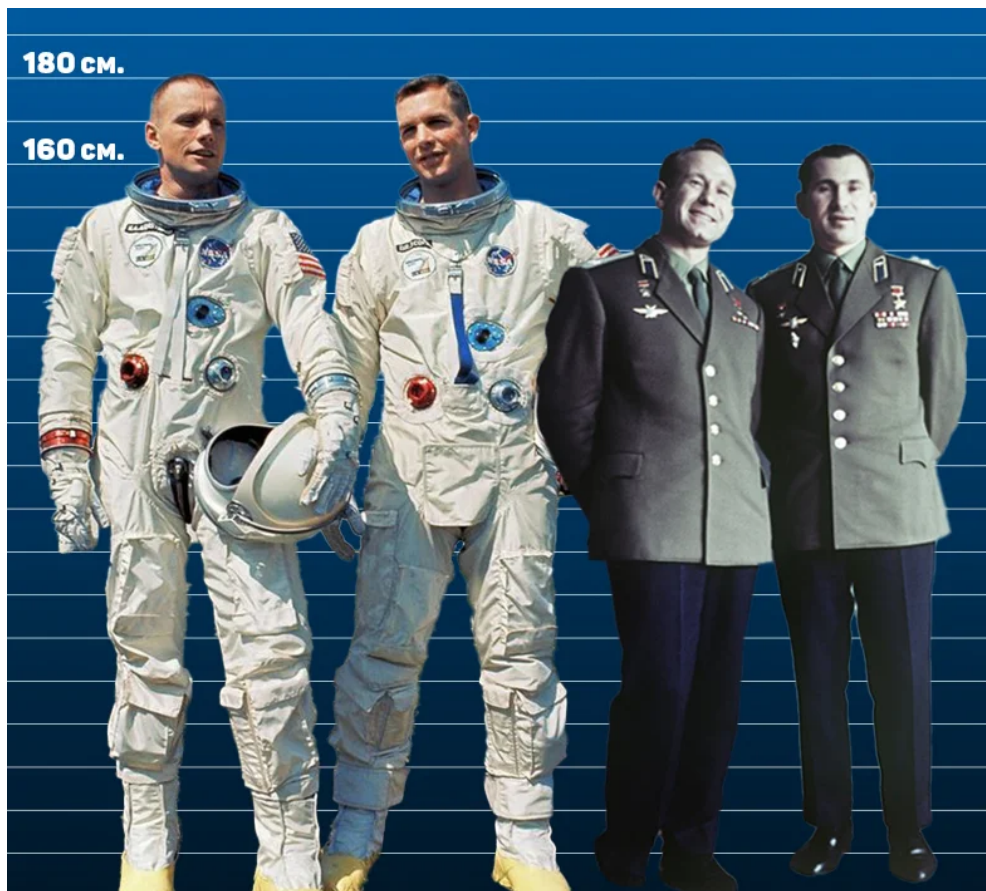
There is, however, one photo where a face looks through, turned at 90 degrees to the camera, but who it is, it is impossible to identify.



Snapshot from the Apollo 11 mission, AS11-40-5875 /

Snapshot from the Apollo 11 mission, AS11-40-5875 /

Doubts that instead of the famous astronauts in the spacesuit there is someone else, arose a long time ago. And this was due to the growth of astronauts. Unlike Soviet cosmonauts, whose height was, on average, 162-168 cm, American astronauts were almost all tall, up to 183 cm.



Comparison by height. N. Armstrong (USA), D. Scott (USA), A. Leonov (USSR), P. Belyaev (USSR).

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So, Neil Armstrong had a height of 180 m, Baz Aldrin - 178 cm. Together with a spacesuit, a helmet and moon galoshes, their height should have been close to 195-200 cm. 25-30 cm.

At the Aeronautics Museum in Washington, DC astronauts are depicted at the lunar module by stunted mannequins. This is easily identified by known objects near them, for example, compared to flights of stairs. This was one of my first articles here on Zen "[Who instead of Armstrong went down the stairs?](#)" ... If the real Armstrong is installed next to it, then he will be a cut above the museum astronauts.



The real Armstrong, if you put him next to the ladder, will be a cut above

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But not only in the museum, but also on the American Moon, the actors from the series "Apollo 11" were also short.

There is a NASA employee at the support of the lunar module and shows how the American flag is taken from a cover attached to the ladder.



The flag was attached to the side of the stairs.

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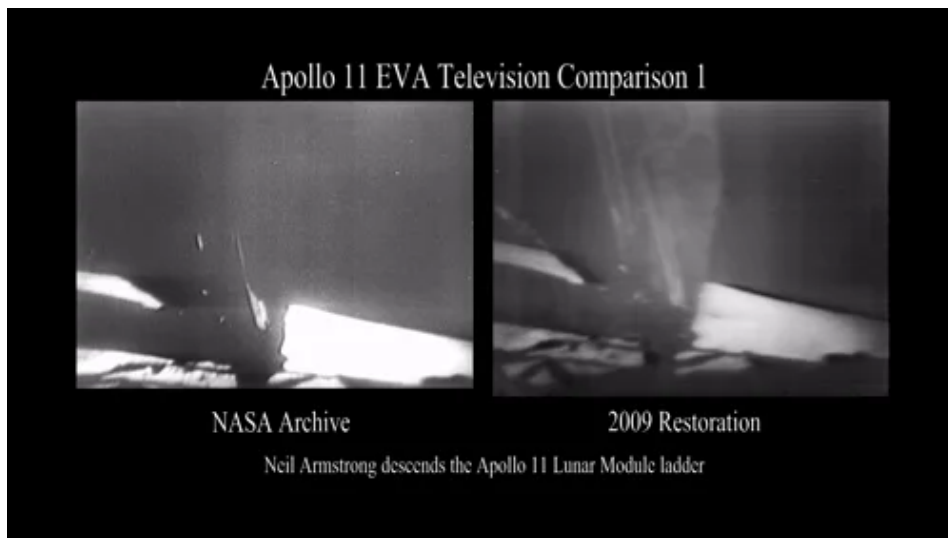
You can see that the top of the person's head is approximately at the level of the upper part of the cover, slightly lower.



The top of the head is near the top of the flag cover.

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Now let's look at the astronaut who descended the ladder. Here he jumps down, onto the support bowl, holding onto the handrails with both hands, slightly crouched after the jump and straightened up. The top of his helmet is located roughly in the middle of the flag case.



The astronaut jumped off the ladder and stopped.

The astronaut jumped off the ladder and stopped.

According to NASA, the telescopic support has slightly subsided after landing, and the top of the cover should be lower than on Earth. But we see a completely different picture. Armstrong, whose height in a spacesuit is like us [it was already believed](#) that it should be 195-200 cm, not only does it not reach the top of the cover, but it turns out to be a head shorter than the person who posed on Earth near the flag.



A still from the video recording of the "live broadcast" of the descent from the ladder.

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And this is in a spacesuit. And if, imagine, the "astronaut" takes off his helmet and moon galoshes, he will be even smaller in stature. It turns out some kind of dwarf.

But the oddities don't stop there. The astronaut unhooked himself from the ladder and took a step forward towards the television camera. We can see that the horizon is skewed because the attached camera is known to be tilted (skewed with respect to the horizon).



If we align the image with the horizon, it turns out that astronauts can walk not vertically, but at an angle to the vertical and not fall!



The image is horizontally aligned.

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What can be said here? Unusual actors were chosen for the role of astronauts - short and violating the laws of gravity.

A completely unexpected confirmation of our conclusions that astronauts on the moon were portrayed by short actors came to me in a letter from Irina D., who read an article on my website about the height of astronauts in a video.

In Chapter 28, you missed one interesting point - body proportions.

Examining Armstrong in the helmet and gauging the space above his head, she wrote:



Armstrong in a helmet.

Armstrong in a helmet.

the gap over the head in the frame, based on the proportions of the face, seems to me more similar to 6 - 7 cm. If the thickness of the astronaut's shoes is also 6 - 7 cm, it turns out that the proportions of the spacesuit are practically proportional to the body.

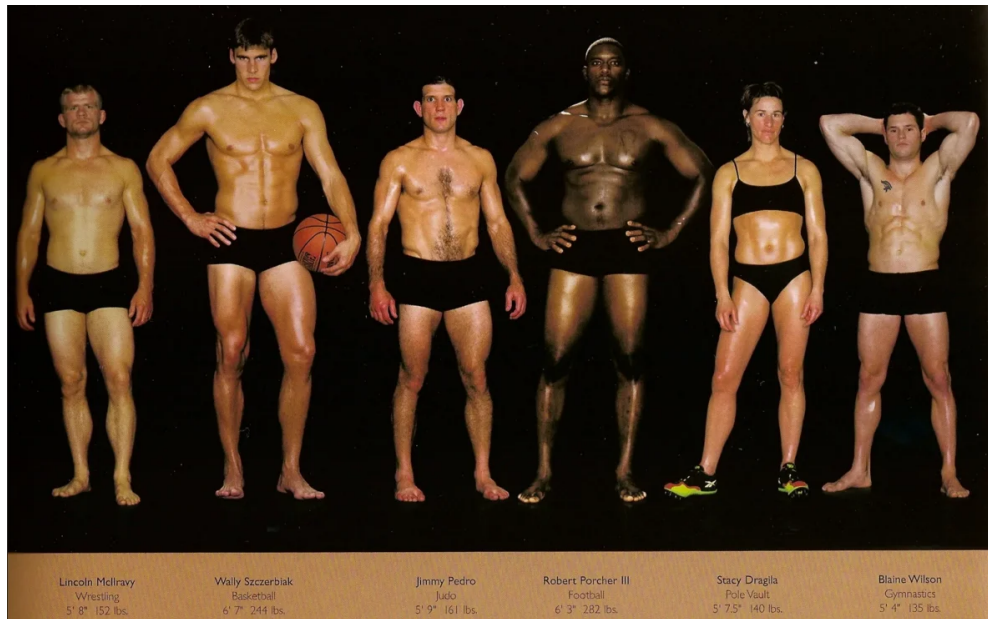
In other words, an astronaut, being dressed in a spacesuit and in moon galoshes, grows up and down by about the same amount, that is, in a spacesuit it retains the same proportions between the torso and legs as without the spacesuit.

But both in the figure and in the photo, the proportions of the body (the length of the legs relative to the torso) correspond to the height of 155-160. If you take a size chart from any Western sewing publication, you will notice that between 160 and 180 heights, the legs are mainly lengthened, not the torso. These data are of course generalized, but correct, otherwise "Burda" (Burda Moden) would have been tortured with complaints about bad patterns.

Thus, in the eyes of a girl who has been sewing since childhood, the proportions of the body in the photo of real astronauts are men with a height of about 180 cm, which is

what you write about, but the doll and the "moon" picture is a girl (or a short man) with a height of about 155 - 160 cm ...

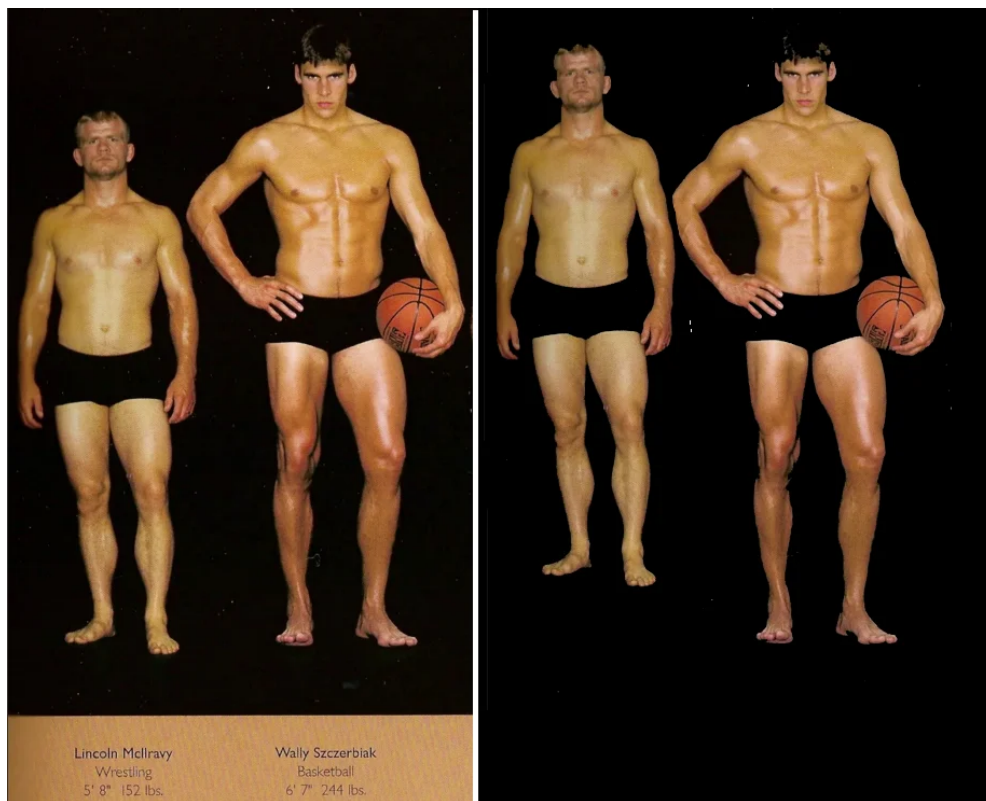
To test her words about torso-to-leg ratio, I took photographs of several athletes.



Photos of athletes of different heights.

Photos of athletes of different heights.

Highlighted the two extreme left. If he correctly translated feet and inches into centimeters, then the height of the wrestler on the left is 172 cm, and the height of the basketball player standing next to him is 200 cm. They stand as if on the floor, aligned with the heels. Now let's try to align them to the top of the head.



The two athletes are aligned with the heels (left) and the top of the head (right).

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We notice that the waist and the navel line are at the same level, and the height is different due to the length of the legs.

Now let's see how tall people are depicted in pictures, for example, Uncle Stepa from the poem by S. Mikhalkov.



Drawing "Uncle Styopa".

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Here's another illustration from another book.

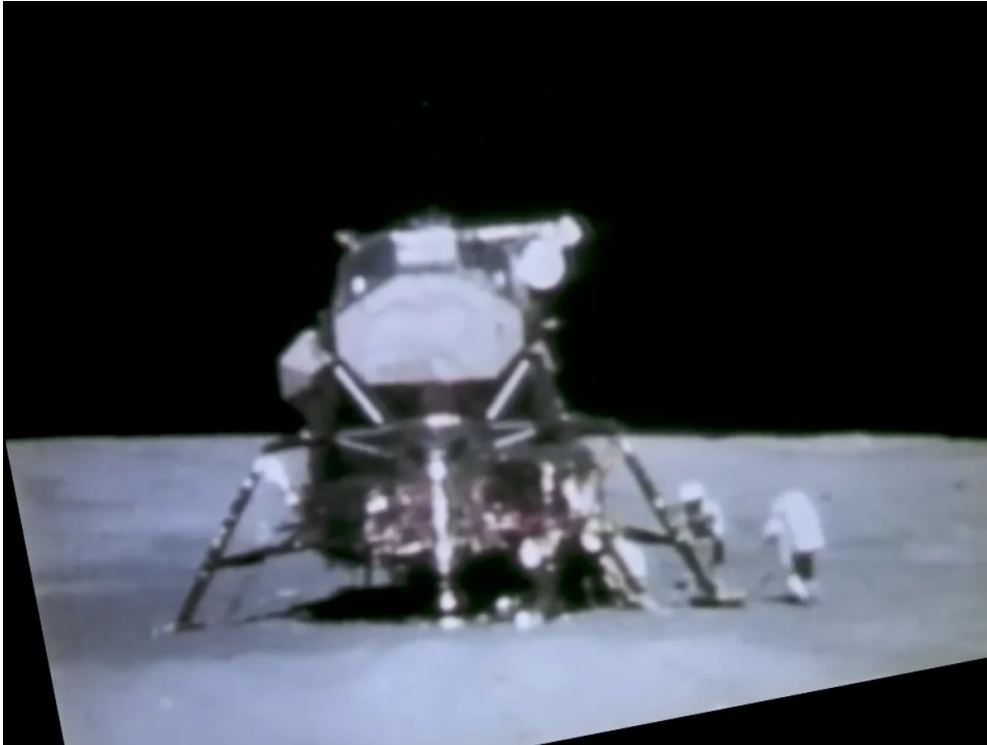


The legs are longer than the torso. And this is noticeable with the naked eye.

But those astronauts who run on the "lunar" video, in their proportions, correspond to a person with a height of 155-160 cm. Not a single lunar astronaut has long legs. Armstrong and Aldrin are portrayed by actors who are at least 20-25 cm lower than them. Or maybe these are not even men, but women-circus performers?

Watch this video - what a short man there [running on the Apollo 16 mission](#) ?

In the original, NASA had the horizon blocked, so we had to correct the frame along the horizon.



Freeze frame from the Apollo 16 mission

Freeze frame from the Apollo 16 mission

From a letter:

Another explanation - "astronaut" refers to the peoples of the North. The attached picture from the website of the Institute of the North shows the difference in the proportions of southerners (Europeans) and northerners.

Here are even some thoughts that come when examining lunar astronauts. I am wondering what you say, for example, by considering the following comparison method.

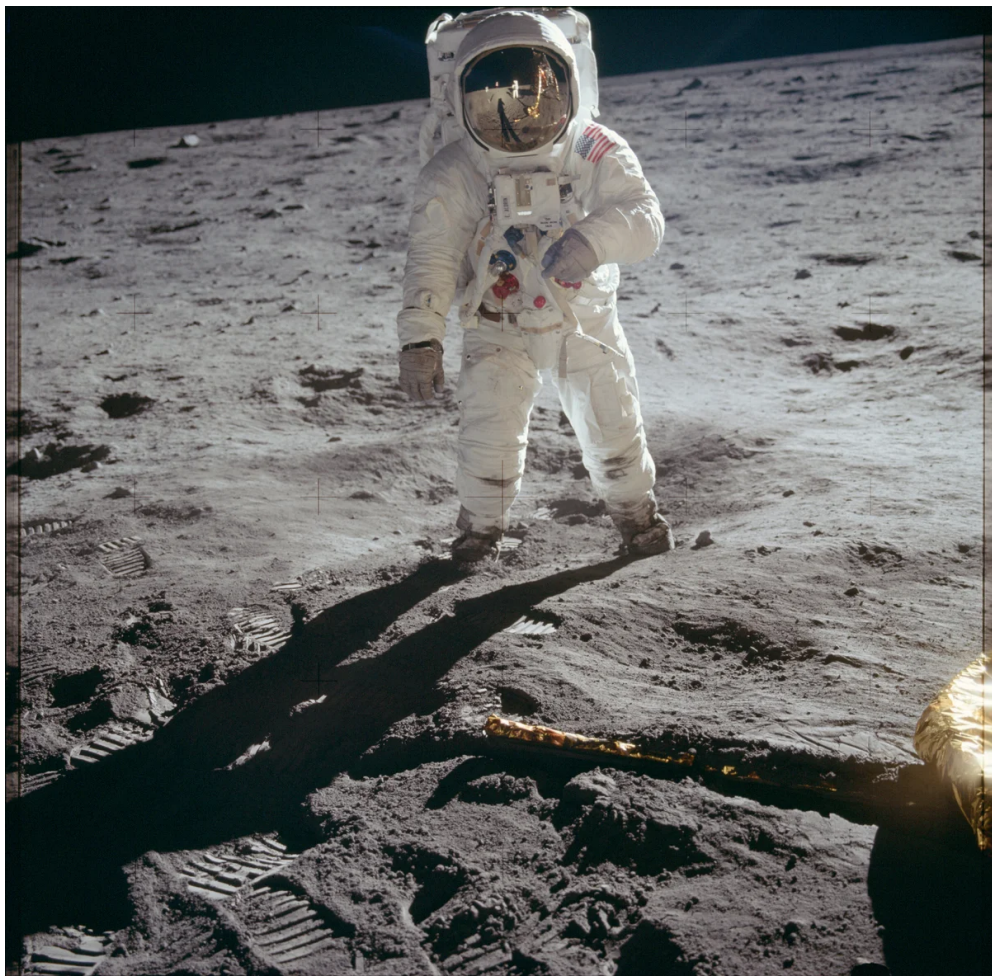
Let's take a photo of the first "lunar" triplet, which are sent to the rocket. Closer to the shooting camera, on the right side of the picture, is Armstrong. Collins follows him, and Aldrin closes the three.



Astronauts go to the rocket.

Astronauts go to the rocket.

Now let's see a photo of Aldrin on the moon. In both this and the previous photo, Aldrin is facing the front of the camera. Here it is - the most famous "moon" photography!



Snapshot AS11-40-5903 /

Snapshot AS11-40-5903 /

Don't you think that the lunar astronaut's head in a helmet is somehow too noticeably swollen? The helmet has become disproportionately large ...

Here's how it looks in detail.





I tried to combine the lunar Aldrin with the terrestrial Aldrin so that the aquarium helmets were about the same. Lunar Aldrin was taken to a yellowish tone to make it easier to see the overlay.



Combining the lunar and terrestrial Aldrin so that the inner dimensions of the helmets are the same.

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Something too big a difference in height turns out. Maybe he didn't quite accurately determine the size of the helmet-aquarium?

Another detail. I am ready to accept that on the "Moon" Aldrin slightly bent his knees, but, whatever one may say, the difference in height is not less than 25 cm. Did you notice the most important thing? **At the "lunar" Aldrin, it was the legs that became shorter.** This is exactly what we specifically emphasized. **Shorter people have shorter legs with equal torsos.**



The connection of two Aldrins.

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I hope that in those few minutes while they rode the bus to the starting point, Aldrin did not have time to change so much?

The famous photograph was used to make a toy astronaut on a scale of 1:20. The height of astronaut Aldrin (178 cm) in a spacesuit should be approximately 195 cm - taking into account the empty space above the head in the helmet, taking into account the cover above the helmet, taking into account the boots and moon galoshes. At a scale of 1:20, the toy should be approximately 97.5 mm high.



Astronaut toy in 1:20 scale.

Astronaut toy in 1:20 scale.

However, the figure has a height of 86 mm, as if the prototype from which it was made had a height of 172 cm in a spacesuit. If we subtract the spacesuit and shoes, it turns out that the real height of the astronaut was about 155 cm, but not 178 cm. 23 cm.

We see that the toy astronaut is portrayed, if not by a dwarf, then certainly by some short man (155 cm). Maybe a woman?

What do you think of the rise of the lunar Aldrin?

*

Cameraman L. Konovalov was with you. Until next time!

